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# CLAIMS

1. Device for induction heating of ring shaped objects, characterized in that it includes a magnetizable core with one or several coils, which core has a moveable part that is displaceable, for the inserting through the ring shaped object that is to be heated, the object to be heated resting on a means that is electrically and thermally insulating.

2. Device according to claim 1, characterized in that the means that is electric and thermally insulating and support the object that is to be heated comprise rails or bars on which the object can slide.

3. Device according to any of the preceding claims, characterized in that the bars have recesses or are left out where the part of the core that extends through the object that is to be heated can be brought in contact with the underlying pole piece.

4. Device according to claim 2, characterized in that recesses are arranged in the moveable core part so that these can grip over the slide rails and come in contact with the underlying pole piece.

5. Device according to any of the preceding claims, characterized in that it is inclined laterally so that objects that are to be heated can slide in to and/or out from the heating position.

6. Device according to any of the preceding claims, characterized in that the object that is to be heated is held in place by two angled rods.

7. Device according to claim 6, characterized in that the angled bars are insulated from the surroundings but mutually in contact with an electric sensing means that can sense when the objects that are to be heated give an electric contact between the two angled bars.

8. Device according to claim 7, characterized in that the rods are of stainless steel and are brought to vibrate slightly.

9. Device according to any of the preceding claims, characterized in that the preheated objects after the heating is fed through a space that is surrounded by a water cooled jacket for the draining of heat.

10. Device according to any of the preceding claims, characterized in that a nozzle for pressurized air is arranged to blow air towards the heated object when this is to be moved from the heating location.

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